PCT

RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/536,804   TIME: 12:50:39

Input Set : **A:\620-373.txt**
Output Set: **N:\CRF4\02242006\J536804.raw**

```
 3 <110> APPLICANT: Williamson, Magali
 4         Masters, John
 6 <120> TITLE OF INVENTION: Cancer Associated Plexin B1 Mutations
 8 <130> FILE REFERENCE: 620-373
10 <140> CURRENT APPLICATION NUMBER: US 10/536,804
11 <141> CURRENT FILING DATE: 2005-05-27
13 <150> PRIOR APPLICATION NUMBER: PCT/GB2003/005223
14 <151> PRIOR FILING DATE: 2003-11-28
16 <150> PRIOR APPLICATION NUMBER: GB 0227908.1
17 <151> PRIOR FILING DATE: 2002-11-29
19 <160> NUMBER OF SEQ ID NOS: 110
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 19
25 <212> TYPE: DNA
26 <213> ORGANISM: Homo sapiens
28 <400> SEQUENCE: 1
29 gcagacggcc cactgtgga                                                19
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 19
34 <212> TYPE: DNA
35 <213> ORGANISM: Homo sapiens
37 <220> FEATURE:
38 <221> NAME/KEY: misc_feature
39 <222> LOCATION: (4)..(4)
40 <223> OTHER INFORMATION: n is uncertain
43 <400> SEQUENCE: 2
```

W--> 44 **gcanacggct cactgtgga**   19

```
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 19
49 <212> TYPE: DNA
50 <213> ORGANISM: Homo sapiens
52 <220> FEATURE:
53 <221> NAME/KEY: misc_feature
54 <222> LOCATION: (10)..(10)
55 <223> OTHER INFORMATION: n is uncertain
58 <400> SEQUENCE: 3
```

W--> 59 **gcagacggcn cactgtgga**   19

```
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 19
64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapiens
67 <400> SEQUENCE: 4
```

P.6

RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/536,804   TIME: 12:50:39

Input Set : A:\620-373.txt
Output Set: N:\CRF4\02242006\J536804.raw

```
 68 gcagacggtc cactgtgga                                      19
 71 <210> SEQ ID NO: 5
 72 <211> LENGTH: 19
 73 <212> TYPE: DNA
 74 <213> ORGANISM: Homo sapiens
 76 <400> SEQUENCE: 5
 77 tgccccagcc cttgctcca                                      19
 80 <210> SEQ ID NO: 6
 81 <211> LENGTH: 19
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Homo sapiens
 85 <400> SEQUENCE: 6
 86 tgccccagcc tttgctcca                                      19
 89 <210> SEQ ID NO: 7
 90 <211> LENGTH: 19
 91 <212> TYPE: DNA
 92 <213> ORGANISM: Homo sapiens
 94 <400> SEQUENCE: 7
 95 tgtctgtata ccttcgtga                                      19
 98 <210> SEQ ID NO: 8
 99 <211> LENGTH: 19
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
103 <220> FEATURE:
104 <221> NAME/KEY: misc_feature
105 <222> LOCATION: (10)..(10)
106 <223> OTHER INFORMATION: n is uncertain
109 <400> SEQUENCE: 8
```
W--> 110 tgtctgtatn ccttcgtga   19
```
113 <210> SEQ ID NO: 9
114 <211> LENGTH: 19
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <400> SEQUENCE: 9
119 tccctcgaaa gagcatgta                                      19
122 <210> SEQ ID NO: 10
123 <211> LENGTH: 19
124 <212> TYPE: DNA
125 <213> ORGANISM: Homo sapiens
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (10)..(10)
130 <223> OTHER INFORMATION: n is uncertain
133 <400> SEQUENCE: 10
```
W--> 134 tccctcgaan gagcatgta   19
```
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 19
139 <212> TYPE: DNA
140 <213> ORGANISM: Homo sapiens
```

RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/536,804   TIME: 12:50:39

Input Set : A:\620-373.txt
Output Set: N:\CRF4\02242006\J536804.raw

```
142 <400> SEQUENCE: 11
143 ccaaatacac cttgaacga                                    19
146 <210> SEQ ID NO: 12
147 <211> LENGTH: 19
148 <212> TYPE: DNA
149 <213> ORGANISM: Homo sapiens
151 <400> SEQUENCE: 12
152 ccaaatacat cttgaacga                                    19
155 <210> SEQ ID NO: 13
156 <211> LENGTH: 19
157 <212> TYPE: DNA
158 <213> ORGANISM: Homo sapiens
160 <400> SEQUENCE: 13
161 acaccttgaa cgacaaccg                                    19
164 <210> SEQ ID NO: 14
165 <211> LENGTH: 19
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapiens
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (10)..(10)
172 <223> OTHER INFORMATION: n is uncertain
175 <400> SEQUENCE: 14
```
W--> 176 acaccttgan cgacaaccg   19
```
179 <210> SEQ ID NO: 15
180 <211> LENGTH: 19
181 <212> TYPE: DNA
182 <213> ORGANISM: Homo sapiens
184 <400> SEQUENCE: 15
185 gactgtgaca ccatctccc                                    19
188 <210> SEQ ID NO: 16
189 <211> LENGTH: 19
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapiens
193 <400> SEQUENCE: 16
194 tgcctctcac ccagcggcc                                    19
197 <210> SEQ ID NO: 17
198 <211> LENGTH: 19
199 <212> TYPE: DNA
200 <213> ORGANISM: Homo sapiens
202 <400> SEQUENCE: 17
203 tgcctctcgc ccagcggcc                                    19
206 <210> SEQ ID NO: 18
207 <211> LENGTH: 19
208 <212> TYPE: DNA
209 <213> ORGANISM: Homo sapiens
211 <400> SEQUENCE: 18
212 cccagcggcc agaccctcg                                    19
215 <210> SEQ ID NO: 19
```

RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/536,804   TIME: 12:50:39

Input Set : A:\620-373.txt
Output Set: N:\CRF4\02242006\J536804.raw

```
       216 <211> LENGTH: 19
       217 <212> TYPE: DNA
       218 <213> ORGANISM: Homo sapiens
       220 <220> FEATURE:
       221 <221> NAME/KEY: misc_feature
       222 <222> LOCATION: (12)..(12)
       223 <223> OTHER INFORMATION: n is uncertain
       226 <400> SEQUENCE: 19
W-->   227 cccagcggtc anaccctcg                                    19
       230 <210> SEQ ID NO: 20
       231 <211> LENGTH: 19
       232 <212> TYPE: DNA
       233 <213> ORGANISM: Homo sapiens
       235 <400> SEQUENCE: 20
       236 cccagcggtc agaccctcg                                    19
       239 <210> SEQ ID NO: 21
       240 <211> LENGTH: 19
       241 <212> TYPE: DNA
       242 <213> ORGANISM: Homo sapiens
       244 <400> SEQUENCE: 21
       245 ccctcgcacc cttgatgtt                                    19
       248 <210> SEQ ID NO: 22
       249 <211> LENGTH: 19
       250 <212> TYPE: DNA
       251 <213> ORGANISM: Homo sapiens
       253 <400> SEQUENCE: 22
       254 ccctcgcgcc cttgatgtt                                    19
       257 <210> SEQ ID NO: 23
       258 <211> LENGTH: 19
       259 <212> TYPE: DNA
       260 <213> ORGANISM: Homo sapiens
       262 <400> SEQUENCE: 23
       263 aaagaatgag gtgcccggc                                    19
       266 <210> SEQ ID NO: 24
       267 <211> LENGTH: 20
       268 <212> TYPE: DNA
       269 <213> ORGANISM: Homo sapiens
       271 <400> SEQUENCE: 24
       272 aattgaatgg ggtgcccggc                                   20
       275 <210> SEQ ID NO: 25
       276 <211> LENGTH: 19
       277 <212> TYPE: DNA
       278 <213> ORGANISM: Homo sapiens
       280 <220> FEATURE:
       281 <221> NAME/KEY: misc_feature
       282 <222> LOCATION: (9)..(9)
       283 <223> OTHER INFORMATION: n is uncertain
       286 <400> SEQUENCE: 25
W-->   287 aaagaatgng gtgcccggc                                    19
```

RAW SEQUENCE LISTING   DATE: 02/24/2006
PATENT APPLICATION: US/10/536,804   TIME: 12:50:39

Input Set : A:\620-373.txt
Output Set: N:\CRF4\02242006\J536804.raw

```
290 <210> SEQ ID NO: 26
291 <211> LENGTH: 19
292 <212> TYPE: DNA
293 <213> ORGANISM: Homo sapiens
295 <400> SEQUENCE: 26
296 ccccgccccg aaggctgcc                                          19
299 <210> SEQ ID NO: 27
300 <211> LENGTH: 19
301 <212> TYPE: DNA
302 <213> ORGANISM: Homo sapiens
304 <400> SEQUENCE: 27
305 ccccgcccca aaggctgcc                                          19
308 <210> SEQ ID NO: 28
309 <211> LENGTH: 13
310 <212> TYPE: PRT
311 <213> ORGANISM: Homo sapiens
313 <400> SEQUENCE: 28
315 Glu Ser Arg Arg Pro Thr Val Glu Gln Gly Leu Gly Gln
316 1               5                   10
319 <210> SEQ ID NO: 29
320 <211> LENGTH: 13
321 <212> TYPE: PRT
322 <213> ORGANISM: Homo sapiens
324 <400> SEQUENCE: 29
326 Glu Ser Arg Arg Leu Thr Val Glu Gln Gly Leu Gly Gln
327 1               5                   10
330 <210> SEQ ID NO: 30
331 <211> LENGTH: 13
332 <212> TYPE: PRT
333 <213> ORGANISM: Homo sapiens
335 <400> SEQUENCE: 30
337 Glu Ser Arg Arg Ser Thr Val Glu Gln Gly Leu Gly Gln
338 1               5                   10
341 <210> SEQ ID NO: 31
342 <211> LENGTH: 13
343 <212> TYPE: PRT
344 <213> ORGANISM: Homo sapiens
346 <400> SEQUENCE: 31
348 Glu Ser Arg Arg Pro Thr Val Glu Gln Thr Leu Gly Gln
349 1               5                   10
352 <210> SEQ ID NO: 32
353 <211> LENGTH: 13
354 <212> TYPE: PRT
355 <213> ORGANISM: Mus musculus
357 <400> SEQUENCE: 32
359 Asp Ser Arg Arg Pro Thr Val Glu Gln Gly Leu Gly Gln
360 1               5                   10
363 <210> SEQ ID NO: 33
364 <211> LENGTH: 13
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/24/2006
PATENT APPLICATION: US/10/536,804   TIME: 12:50:40

Input Set : **A:\620-373.txt**
Output Set: **N:\CRF4\02242006\J536804.raw**

Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:2; N Pos. 4
Seq#:3; N Pos. 10
Seq#:8; N Pos. 10
Seq#:10; N Pos. 10
Seq#:14; N Pos. 10
Seq#:19; N Pos. 12
Seq#:25; N Pos. 9
Seq#:97; N Pos. 9
Seq#:99; N Pos. 11

VERIFICATION SUMMARY   DATE: 02/24/2006
PATENT APPLICATION: **US/10/536,804**   TIME: 12:50:40

Input Set : **A:\620-373.txt**
Output Set: **N:\CRF4\02242006\J536804.raw**

```
L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:1075 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0
L:1099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0
```